



*for Purpose Only* *AE/2821*  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT

Applicant: Bruce et al. Examiner: Chan, E.  
Serial No.: 09/915,883 Group Art Unit: 2829  
Filed: July 26, 2001 Docket No.: AMDA.508PA  
Title: Integrated Circuit Defect Analysis Using Liquid Crystal

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence and the papers, as described hereinabove, are being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on July 13, 2004.

By: *Erin M. Nichols*  
Erin M. Nichols

OFFICE ACTION RESPONSE AFTER FINAL

Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Madam:

In response to the final Office Action dated May 20, 2004, please consider the following amendment and remarks.

Amendments to the claims are reflected in the listing of claims beginning at page 2 and the Remarks begin on page 7.

Enclosed please find a Terminal Disclaimer under 37 C.F.R. §1.321(c).

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### Remarks

Favorable reconsideration of this application is requested in view of the following remarks. For the reasons set forth below, Applicant respectfully submits that the claimed invention is allowable over the cited references.

The final Office Action dated May 20, 2004, indicated that claims 2-4, 9, 15-16 and 24 are objected to but would be allowable if rewritten; claims 1, 10 and 20-22 are rejected under the judicially created doctrine of obviousness-type double patenting over claims 1, 10, 21-22 and 26 of U.S. Patent No. 6,488,405 in view of *Nikawa* (U.S. Patent No. 6,066,956); claims 5-6, 11-13 and 18 are rejected under the judicially created doctrine of obviousness-type double patenting over claims 1, 10, 21-22 and 26 of U.S. Patent No. 6,488,405 in view of *Nikawa*; claims 7-8, 14, 17 and 23 are rejected under the judicially created doctrine of obviousness-type double patenting over claims 1, 10, 21-22 and 26 of U.S. Patent No. 6,488,405 in view of *Nikawa* and further in view of *Channin* (3,934,199); and claim 19 is rejected under the judicially created doctrine of obviousness-type double patenting over claims 1, 10, 21-22 and 26 of U.S. Patent No. 6,488,405 in view of *Nikawa* ('956) and further in view of *Kantor et al.* ('408).

Applicant appreciates the indication of allowability for claims 2-4, 9, 15, 16 and 24. Applicant has accordingly amended claims 2, 15 and 16 to include limitations of their respective underlying claims; therefore, claims 2-4, 15 and 16 are believed to be in condition for allowance. Applicant notes that these claims were not rejected and were considered allowable apart from the double patenting rejections. Applicant requests that the objections to these claims be removed.

Applicant has enclosed a Terminal Disclaimer in compliance with 37 C.F.R. § 1.321(c). Accordingly, Applicant submits that each of the rejections is moot and requests that the rejections be removed.

In view of the above, Applicant withdraws the arguments previously presented in the Office Action Response filed on March 19, 2004, regarding the flawed rationale for combining the cited teachings.

Please charge Deposit Account No. 01-0365 (TT4405) in the amount of \$258.00 for the three additional independent claims. Please charge/credit the same deposit account for any additional fees/overages.

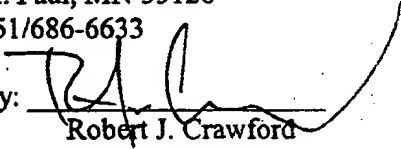
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In view of the above discussion, Applicant believes that the rejection has been overcome and the application is in condition for allowance. A favorable response is requested. Should there be any remaining issues that could be readily addressed over the telephone, the Examiner is encouraged to contact the undersigned at (651) 686-6633.

Respectfully submitted,

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1270 Northland Drive, Suite 390  
St. Paul, MN 55120  
651/686-6633

Dated: July 13, 2004

By:   
Robert J. Crawford  
Reg. No. 32,122

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# PATENT APPLICATION FEE DETERMINATION RECORD

Effective October 1, 2003

Application or Docket Number

09/915883

## CLAIMS AS FILED - PART I

	(Column 1)	(Column 2)
TOTAL CLAIMS		
FOR	NUMBER FILED	NUMBER EXTRA
TOTAL CHARGEABLE CLAIMS	minus 20 =	*
INDEPENDENT CLAIMS	minus 3 =	*
MULTIPLE DEPENDENT CLAIM PRESENT <input type="checkbox"/>		

\* If the difference in column 1 is less than zero, enter "0" in column 2

## CLAIMS AS AMENDED - PART II

	(Column 1)		(Column 2)	(Column 3)
	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total	* 24	Minus	** 24	-
Independent	* 3	Minus	*** 3	-
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>				

SMALL ENTITY TYPE ☐ OR

OTHER THAN SMALL ENTITY

RATE	FEE
BASIC FEE	\$385
X\$9 =	
X\$13 =	
+145 =	
TOTAL	

RATE	FEE
BASIC FEE	\$770
X\$18 =	
X\$26 =	
+290 =	
TOTAL	

SMALL ENTITY OR

OTHER THAN SMALL ENTITY

RATE	ADDITIONAL FEE
X\$9 =	
X\$13 =	
+145 =	
TOTAL ADDIT. FEE	

RATE	ADDITIONAL FEE
X\$18 =	
X\$26 =	
+290 =	
TOTAL ADDIT. FEE	

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	(Column 1)		(Column 2)	(Column 3)
	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total	* 24	Minus	** 24	-
Independent	* 6	Minus	*** 3	-
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>				

RATE	ADDITIONAL FEE
X\$9 =	
X\$13 =	
+145 =	
TOTAL ADDIT. FEE	

RATE	ADDITIONAL FEE
X\$18 =	
X\$26 =	235
+290 =	
TOTAL ADDIT. FEE	238

	(Column 1)		(Column 2)	(Column 3)
	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total	*	Minus	**	=
Independent	*	Minus	***	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>				

RATE	ADDITIONAL FEE
X\$9 =	
X\$13 =	
+145 =	
TOTAL ADDIT. FEE	

RATE	ADDITIONAL FEE
X\$18 =	
X\$26 =	
+290 =	
TOTAL ADDIT. FEE	

\* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."

\*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.